

6,887,703.

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PTO/SB/21 (09-04)

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TRANSMITTAL FORM

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Total Number of Pages in This Submission

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Application Number

09/788,117

Filing Date

February 16, 2001

First Named Inventor

Thomas M. BAER

Art Unit

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Examiner Name

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Attorney Docket Number

ARC012001300

Certificate

FEB 28 2006

of Correction

ENCLOSURES (Check all that apply)

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 6,887,703
APPLICATION NO.: 09/788,117
ISSUE DATE : May 3, 2005
INVENTOR(S) : Thomas M. BAER et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(1) On the front page of the patent, the inventor's name "Barbara J. Wessen-Baer" is misspelled. The inventor's name should read --Barbara J. Weesen-Baer--. This mistake is attributable to the Office as is evident from the Updated Filing Receipt (mailing date of 06/22/2001, a copy is enclosed) which shows the inventor's correct spelling.

(2) On the front page of the patent, the assignee's name "Arturus Bioscience, Inc." is misspelled. The assignee name should read --Arcturus Bioscience, Inc.--. This mistake is attributable to the Office as is evident from the Issue Fee Transmittal (enclosed) which shows the assignee's correct spelling.

Because of the nature of these mistakes is of grave consequence as the assignee and inventor's names are frequent search terms in electronic databases, a certificate of correction is deemed inappropriate in form and therefore, applicants respectfully request that a corrected patent be issued in lieu thereof as a more appropriate form for certificate of correction without expense to the patentee according to 37 CFR 1.322(b).

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US006887703B2

(12) **United States Patent**
Baer et al.(10) **Patent No.:** **US 6,887,703 B2**
(45) **Date of Patent:** **May 3, 2005**(54) **TRANSFER FILM FOR LASER
MICROCAPTURE**(75) Inventors: **Thomas M. Baer**, Mountain View, CA
(US); **Robert H. Reamey**, Palo Alto,
CA (US); **David F. Head**, Saratoga, CA
(US); **Barbara J. Wessen-Baer**,
Mountain View, CA (US); **Ali Firouzi**,
Redwood City, CA (US); **David Ching**,
Mountain View, CA (US)(73) Assignee: **Arturus Bioscience, Inc.**, Mountain
View, CA (US)(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 565 days.(21) Appl. No.: **09/788,117**(22) Filed: **Feb. 16, 2001**(65) **Prior Publication Data**

US 2001/0028934 A1 Oct. 11, 2001

Related U.S. Application Data(60) Provisional application No. 60/182,832, filed on Feb. 16,
2000.(51) Int. Cl.⁷ **C12N 5/00**(52) U.S. Cl. **435/325; 356/36; 427/2.11;**
428/40.1(58) Field of Search **435/325, 7.23;**
428/40.1; 427/2.11; 356/36(56) **References Cited****U.S. PATENT DOCUMENTS**

4,149,803 A 4/1979 Litz
4,245,003 A 1/1981 Oransky et al.
4,333,983 A 6/1982 Allen
4,559,266 A 12/1985 Misasa et al.
4,624,915 A 11/1986 Schindler et al.
4,629,687 A 12/1986 Schindler et al.
4,673,261 A 6/1987 Hunt et al.
4,731,530 A 3/1988 Mikan
4,857,399 A * 8/1989 Vicik
4,901,738 A 2/1990 Brink et al.
4,920,053 A 4/1990 Inoue et al.
4,923,294 A 5/1990 Courtenay
4,987,006 A 1/1991 Williams et al.
5,057,689 A 10/1991 Nomura et al.
5,077,620 A 12/1991 Mauro
5,096,775 A 3/1992 Sato et al.
5,126,877 A 6/1992 Biber
5,139,831 A * 8/1992 Mueller
5,202,230 A 4/1993 Kamentsky
5,280,384 A 1/1994 Shibasaki
5,288,996 A 2/1994 Betzig et al.
5,296,291 A 3/1994 Mueller
5,346,765 A 9/1994 Maeda et al.
5,391,329 A 2/1995 Dougherty et al.
5,468,967 A 11/1995 Chan et al.
5,479,252 A 12/1995 Worster et al.
5,492,861 A 2/1996 Opower
5,529,841 A 6/1996 Neihof
5,541,064 A 7/1996 Bacus et al.
5,574,077 A 11/1996 Dougherty et al.

5,576,264 A 11/1996 Ueno et al.
5,580,612 A 12/1996 Hickel et al.
5,585,246 A 12/1996 Dubrow et al.
5,665,582 A 9/1997 Kausch et al.
5,677,197 A 10/1997 Gordon et al.
5,723,290 A 3/1998 Eberwine et al.
5,759,781 A 6/1998 Ward et al.
5,763,191 A 6/1998 Knoll et al.
5,817,462 A 10/1998 Garini et al.
5,843,644 A 12/1998 Liotta et al.
5,843,657 A 12/1998 Liotta et al.
5,859,699 A 1/1999 Baer et al.
5,869,345 A 2/1999 Chandler
5,985,085 A 11/1999 Baer et al.
5,998,129 A 12/1999 Schütze et al.
6,010,888 A 1/2000 Liotta et al.
6,100,051 A 8/2000 Goldstein et al.
6,157,446 A 12/2000 Baer et al.
6,184,973 B1 2/2001 Baer et al.
6,204,030 B1 3/2001 Liotta et al.
6,215,550 B1 4/2001 Baer et al.
6,251,467 B1 6/2001 Liotta et al.
6,251,516 B1 6/2001 Bonner et al.
6,495,195 B2 * 12/2002 Baer et al.
2001/0031481 A1 10/2001 Liotta et al.

FOREIGN PATENT DOCUMENTS

DE 196 03 996 A1 8/1997
JP 09 095657 4/1997
WO WO 91/07683 A1 5/1991
WO WO 95/23960 A1 9/1995
WO WO 97/13838 A1 4/1997
WO WO 98/35215 A1 8/1998
WO WO 98/35216 A1 8/1998
WO WO 98/36261 A1 8/1998
WO WO 99/17094 A2 4/1999
WO WO 00/06992 A1 2/2000
WO WO 00/34757 A1 6/2000
WO WO 00/68662 A1 11/2000

OTHER PUBLICATIONS

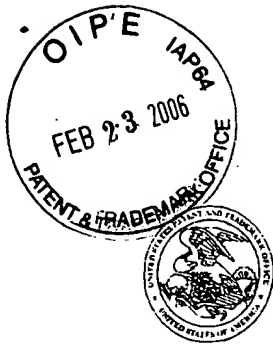
English Abstract for German Patent DE 196 03 996 A1
retrieved in Dialog database in file 12 on Dec. 12, 2001.
U.S. Appl. No. 08/800,882, filed Feb. 14, 1997, Baer et al.
U.S. Appl. No. 08/984,979, filed Dec. 4, 1997, Baer et al.
U.S. Appl. No. 09/018,452, filed Feb. 4, 1998, Baer et al.
U.S. Appl. No. 09/058,711, filed Apr. 10, 1998, Baer et al.
U.S. Appl. No. 09/121,635, filed Jul. 23, 1998, Baer et al.
U.S. Appl. No. 09/121,677, filed Jul. 23, 1998, Baer et al.
U.S. Appl. No. 09/121,691, filed Jul. 23, 1998, Baer et al.
U.S. Appl. No. 09/208,604, filed Dec. 8, 1998, Baer et al.
U.S. Appl. No. 09/357,423, filed Jul. 20, 1999, Baer.

(Continued)

Primary Examiner—Leon B. Lankford, Jr.(74) *Attorney, Agent, or Firm*—Lukas IP Group; Rimas T.
Lukas(57) **ABSTRACT**

The present invention generally provides an improved transfer film having multiple layers for laser micro-capture of a sample. The transfer film for laser micro-capture includes distinct layers for expansion and adhesion in order to optimize the performance of the transfer film. A transfer film including a spring-back layer is also disclosed.

17 Claims, 9 Drawing Sheets



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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/788,117	02/16/2001	1772	1216	485772001300	9	104	4

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CONFIRMATION NO. 2852

UPDATED FILING RECEIPT



OC000000006217294

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Applicant(s)Thomas M. Baer, Mountain View, CA;
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David F. Head, Los Gatos, CA;
Barbara J. Weesen-Baer, Mountain View, CA;
Ali Firouzi, Redwood City, CA;
David Ching, Mountain View, CA;**Domestic Priority data as claimed by applicant**

THIS APPLN CLAIMS BENEFIT OF 60/182,832 02/16/2000

Foreign Applications

If Required, Foreign Filing License Granted 03/20/2001

Projected Publication Date: 10/04/2001

Non-Publication Request: No

Early Publication Request: No

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/788,117	02/16/2001	Thomas M. Baer	485772001300	2852

TITLE OF INVENTION: TRANSFER FILM FOR LASER MICROCAPTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$300	\$965	04/13/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
LANKFORD JR, LEON B	1651	435-040500

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